Planning and Architecture of Information Systems

Seminar of 3 days - 21h
Ref.: RBA - Price 2024: €2 890 (excl. taxes)

The evolution of information technology and the rapid development of Web-based services have given rise to new approaches that allow for the introduction of architecture that is more adaptable, upgradable and likely to satisfy a company's need for flexibility. What are the efficient approaches to software architecture? How can we manage the complexity of the existing software assets? How can we take advantage of what the new concepts in service-architecture have to offer? These are the stakes of IS architecture.

TEACHING METHODS

Numerous discussions, exercises (role-playing, awareness-raising), examples, videos.

Several close looks will be given to sensitive issues like budget, communication, risk management, and change management. The presentation is accompanied by a set of standard plans for deliverables and examples to go with them.

THE PROGRAMME

last updated: 01/2018

1) Enterprise Architecture Issues

- The need to master increasingly complex information systems; the company as part of an ecosystem.
- The stakes of Enterprise Architecture: managing the complexity; knowledge management; communicating; combining efforts;
- A new definition of Enterprise architecture: from theoretical vision to on-the-ground reality; the benefits of service a

2) General presentation of generic models and general approaches

- Organizing IS layers; a general understanding of the classical EA model and the relationships among IS layers; examples.
- Determining a new frontier between information system and computer system.
- The IS Enterprise-Architecture process: the classical approaches, critical analysis, and emergence of a "third way."
Ap
- Enterprise architect, architect, and specialist: their roles, hierarchical positions, skills, respective contributions

3) Modeling and mapping

- The role of mapping in the Enterprise Architecture Process: the steps of IS transformation; producing a global graphical
- The City Planning Metaphor: the metaphor's origin and stakes; applying Comprehensive Development Area Map and building-p
- Enterprise-architecture rules: instructions for relevant implementation.
- A suggested blended-method.

4) Modeling tools

- Synthesis and examples of products (i.e., tools) on the market.
- Tool stakes, benefits and limits.

- How to organize ourselves to use these tools: contributions, roles and responsibilities of each player.

5) The Enterprise-Architecture Project
- How to organize the project.
- Objectives, deliverables, organizing the teams, role distribution, steps.
- Risk management and key success factors.

DATES

REMOTE CLASS
2025 : 10 Jun, 23 Sep, 16 Dec